SEQUENCE LISTING

<110> Leder, Philip
      Leader, Benjamin

<120> FORMIN-2 NUCLEIC ACIDS AND POLYPEPTIDES
  AND USES THEREOF

<130> 00383/052002

<140> US 09/835,232
<141> 2001-04-12

<150> US 60/196,811
<151> 2000-04-13

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Gly Pro Glu Met Leu Pro Ala Pro Pro Gln Pro Pro Pro Leu Pro Gly
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Leu Gly Val Pro Pro Pro Pro Pro Ala Pro Pro Leu Pro Gly Met Gly
65   70   75   80
Ile Pro Pro Pro Pro Pro Leu Pro Gly Met Gly Ile Pro Pro Pro Pro
                85   90   95
Pro Leu Pro Gly Met Gly Ile Pro Pro Pro Pro Pro Leu Pro Gly Val
            100   105   110
Gly Ile Pro Pro Pro Pro Pro Leu Pro Gly Val Gly Ile Pro Pro Pro
        115   120   125
Pro Pro Leu Pro Gly Val Gly Ile Pro Pro Pro Pro Pro Leu Pro Gly
    130   135   140
Val Gly Ile Pro Pro Pro Pro Pro Leu Pro Gly Val Gly Ile Pro Pro
145   150   155   160
Pro Pro Pro Leu Pro Gly Val Gly Ile Pro Pro Pro Pro Pro Leu Pro
            165   170   175
Gly Val Gly Ile Pro Pro Pro Pro Pro Leu Pro Gly Met Gly Ile Pro
            180   185   190
Pro Pro Pro Pro Leu Pro Gly Ser Gly Ile Pro Pro Pro Pro Ala Leu
        195   200   205
Pro Gly Val Ala Ile Pro Pro Pro Pro Pro Leu Pro Gly Met Gly Val
    210   215   220
Pro Pro Pro Ala Pro Pro Pro Pro Gly Ala Gly Ile Pro Pro Pro Pro
225   230   235   240
Leu Leu Pro Gly Ser Gly Pro Pro His Ser Ser Gln Val Gly Ser Ser
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Pro Thr Gly Leu Phe Gly Leu Gly
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Lys Gly Gly Gly Gly Ser Gly Glu Thr Ser Lys Lys Lys Ser Lys Ser
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Asp Ser Arg Ala Ser Val Phe Ser Asn Leu Arg Ile Arg Lys Asn Leu
65                  70                  75                  80
Thr Lys Gly Lys Gly Ala Cys Asp Ser Arg Glu Asp Val Leu Asp Ser
                85                  90                  95
Gln Ala Leu Pro Ile Gly Glu Leu Asp Ser Ala His Ser Ile Val Thr
            100                 105                 110
Lys Thr Pro Asp Leu Ser Leu Ser Ala Glu Glu Thr Gly Leu Ser Asp
            115                 120                 125
Thr Glu Cys Ala Asp Pro Phe Glu Val Ile His Pro Gly Ala Ser Arg
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Pro Ala Glu Ala Gly Val Gly Ile Gln Ala Thr Ala Glu Asp Leu Glu
145                 150                 155                 160
Thr Ala Ala Gly Ala Gln Asp Gly Gln Arg Thr Ser Ser Gly Ser Asp
                165                 170                 175
Thr Asp Ile Tyr Ser Phe His Ser Ala Thr Glu Gln Glu Asp Leu Leu
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Ser Asp Ile Gln Gln Ala Ile Arg Leu Gln Gln Gln Gln Gln Gln Lys
            195                 200                 205
Leu Leu Leu Gln Asp Ser Glu Glu Pro Ala Ala Pro Pro Thr Ala Ile
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Ser Pro Gln Pro Gly Ala Phe Leu Gly Leu Asp Gln Phe Leu Leu Gly
225                 230                 235                 240
Pro Arg Ser Glu Ala Glu Lys Asp Thr Val Gln Ala Leu Pro Val Arg
                245                 250                 255
Pro Asp Leu Pro Glu Thr Thr Lys Ser Leu Val Pro Glu His Pro Pro
            260                 265                 270
Ser Ser Gly Ser His Leu Thr Ser Glu Thr Pro Gly Tyr Ala Thr Ala
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Pro Ser Ala Val Thr Asp Ser Leu Ser Ser Pro Ala Phe Thr Phe Pro
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Glu Ala Gly Pro Gly Glu Gly Ala Ala Gly Val Pro Val Ala Gly Thr
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Gly Asp Thr Asp Glu Glu Cys Glu Glu Asp Ala Phe Glu Asp Ala Pro
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Arg Gly Ser Pro Gly Glu Glu Trp Val Pro Glu Met Glu Glu Ala Ser
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Gln Arg Leu Glu Lys Glu Pro Glu Glu Gly Met Arg Glu Ser Ile Thr
            355                 360                 365
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Ser Pro Arg Ile Lys Lys Arg Pro Asp Pro Ser Val Ser Pro Ser Pro
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Arg Thr Ala Leu Ala Ser Ala Ala Ala Pro Ala Lys Lys His Arg Leu
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Glu Gly Gly Leu Thr Gly Gly Leu Ser Arg Ser Ala Asp Trp Thr Glu
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Glu Leu Gly Val Arg Thr Pro Gly Ala Gly Gly Ser Val His Leu Leu
465                  470                  475                  480
Gly Arg Gly Ala Thr Ala Asp Asp Ser Gly Gly Gly Ser Pro Val Leu
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Ala Ala Lys Ala Pro Gly Ala Pro Ala Thr Ala Asp Gly Phe Gln Asn
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Val Phe Thr Gly Arg Thr Leu Leu Glu Lys Leu Phe Ser Gln Gln Glu
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Asn Gly Pro Pro Glu Glu Ala Glu Lys Phe Cys Ser Arg Ile Ile Ala
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Met Gly Leu Leu Leu Pro Phe Ser Asp Cys Phe Arg Glu Pro Cys Asn
545                  550                  555                  560
Gln Asn Ala Gly Ser Ser Ser Ala Pro Phe Asp Gln Asp Gln Leu Tyr
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Thr Trp Ala Ala Val Ser Gln Pro Thr His Ser Met Asp Tyr Ser Glu
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Gly Gln Phe Pro Arg Arg Glu Pro Ser Met Trp Pro Ser Ser Lys Leu
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Pro Glu Glu Glu Pro Ser Pro Lys Asp Val Asp Thr Glu Pro Lys Ser
        610                  615                  620
Ser Ile Leu Glu Ser Pro Lys Lys Cys Ser Asn Gly Val Gln Gln Glu
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Val Phe Asp Val Lys Ser Glu Gly Gln Ala Thr Val Ile Gln Gln Leu
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Glu Gln Thr Ile Glu Asp Leu Arg Thr Lys Ile Ala Glu Leu Glu Lys
            660                  665                  670
Gln Tyr Pro Ala Leu Asp Leu Glu Gly Pro Arg Gly Leu Ser Gly Leu
            675                  680                  685
Glu Asn Gly Leu Thr Ala Ser Ala Asp Val Ser Leu Asp Ala Leu Val
        690                  695                  700
Leu His Gly Lys Val Ala Gln Pro Pro Arg Thr Leu Glu Ala Lys Ser
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Ile Gln Thr Ser Pro Thr Glu Glu Gly Arg Ile Leu Thr Leu Pro Pro
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Pro Lys Ala Pro Pro Glu Gly Leu Pro Gly Ser Pro Ala Ala Ala Ser
            740                  745                  750
Gly Glu Ser Ala Leu Leu Thr Ser Pro Ser Gly Pro Gln Thr Lys Phe
            755                  760                  765
Cys Ser Glu Ile Ser Leu Ile Val Ser Pro Arg Arg Ile Ser Val Gln
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785                  790                  795                  800
Pro Leu Leu Gly Ser Asp Ser Gln Gly Gln Pro Ser Gln Pro Ser Leu
                805                  810                  815
His Thr Glu Ser Glu Thr Ser His Glu His Ser Val Ser Ser Ser Phe
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Gly Asn Asn Cys Asn Val Pro Pro Ala Pro Pro Leu Pro Cys Thr Glu
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Cys Leu Ser Asp Ile Thr Val Pro Ala Leu Pro Ser Pro Thr Ala Pro
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Ala Leu Gln Phe Ser Asn Leu Gln Gly Pro Glu Met Leu Pro Ala Pro
              885              890              895
Pro Gln Pro Pro Pro Leu Pro Gly Leu Gly Val Pro Pro Pro Pro Pro
         900              905              910
Ala Pro Pro Leu Pro Gly Met Gly Ile Pro Pro Pro Pro Pro Leu Pro
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Gly Met Gly Ile Pro Pro Pro Pro Pro Leu Pro Gly Met Gly Ile Pro
     930              935              940
Pro Pro Pro Pro Leu Pro Gly Val Gly Ile Pro Pro Pro Pro Pro Leu
945              950              955              960
Pro Gly Val Gly Ile Pro Pro Pro Pro Pro Leu Pro Gly Val Gly Ile
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Pro Pro Pro Pro Pro Leu Pro Gly Val Gly Ile Pro Pro Pro Pro Pro
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Ile Pro Pro Pro Pro Pro Leu Pro Gly Val Gly Ile Pro Pro Pro Pro
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Pro Leu Pro Gly Met Gly Ile Pro Pro Pro Pro Pro Leu Pro Gly Ser
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Gly Ile Pro Pro Pro Pro Ala Leu Pro Gly Val Ala Ile Pro Pro Pro
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Pro Pro Leu Pro Gly Met Gly Val Pro Pro Pro Ala Pro Pro Pro Pro
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Gly Ala Gly Ile Pro Pro Pro Pro Leu Leu Pro Gly Ser Gly Pro Pro
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Cys Gly Phe Leu Phe Pro Pro Leu Pro Thr Gly Leu Phe Gly Leu Gly
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Pro Met Lys Pro Leu Tyr Trp Thr Arg Ile Gln Leu His Ser Lys Arg
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Asp Ser Ser Pro Ser Leu Ile Trp Glu Lys Ile Glu Glu Pro Ser Ile
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Arg Lys Lys Pro Ile Ser Asp Thr Ile Ser Lys Thr Lys Ala Lys Gln
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Val Val Lys Leu Leu Ser Asn Lys Arg Ser Gln Ala Val Gly Ile Leu
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Asn Leu Asp Asn Ser Val Val Asp Leu Glu Thr Leu Gln Ala Leu Tyr
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Glu Asn Arg Ala Gln Ser Asp Glu Leu Glu Lys Ile Glu Lys His Ser
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Arg Ser Ser Lys Asp Lys Glu Asn Ala Lys Ser Leu Asp Lys Pro Glu
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Gln Phe Leu Tyr Glu Leu Ser Leu Ile Pro Asn Phe Ser Glu Arg Val
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Phe Cys Ile Leu Phe Gln Ser Thr Phe Ser Glu Ser Ile Cys Ser Ile
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Arg Arg Lys Leu Glu Leu Leu Gln Lys Leu Cys Glu Thr Leu Lys Asn
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Leu Asp Ile Leu Pro Lys Leu Lys Asp Val Lys Ser Ser Asp Asn Ser
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Arg Ser Leu Leu Ser Tyr Ile Val Ser Tyr Tyr Leu Arg Asn Phe Asp
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Glu Asp Ala Gly Lys Glu Gln Cys Val Phe Pro Leu Ala Glu Pro Gln
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Glu Leu Phe Gln Ala Ser Gln Met Lys Phe Glu Asp Phe Gln Lys Asp
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Leu Arg Lys Leu Lys Lys Asp Leu Lys Ala Cys Glu Ala Glu Ala Gly
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Lys Val Tyr Gln Val Ser Ser Ala Glu His Met Gln Pro Phe Lys Glu
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Asn Met Glu Gln Phe Ile Ser Gln Ala Lys Ile Asp Gln Glu Ser Gln
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Glu Ala Ala Leu Thr Glu Thr His Lys Cys Phe Leu Glu Thr Thr Ala
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Tyr Tyr Phe Met Lys Pro Lys Leu Gly Glu Lys Glu Val Ser Pro Asn
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Val Phe Phe Ser Val Trp His Glu Phe Ser Ser Asp Phe Lys Asp Ala
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Trp Lys Lys Glu Asn Lys Leu Ile Leu Gln Glu Arg Val Lys Glu Ala
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Glu Glu Val Cys Arg Gln Lys Lys Gly Lys Ser Leu Tyr Lys Val Lys
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<212> DNA
<213> Homo sapiens

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